


<div></div> <div>WATER BASED MUD</div> <div>Daily Operation Report</div>		Date	10/10/2023		Section name		8 1/2" Section																																										
		Report	18		Report Depth	m	2767	MDBRT	2447	TVDBRT																																							
		Rig Name / #	469		Prev Report Depth	m	2664	MDBRT	2467	TVDBRT																																							
		Mud Ops start date			Daily metres drilled	103	Report time	23:59 Hr																																									
		Spud date			Section metres drilled	2158	Avg ROP	17.2	m/hour																																								
RT-Ground Level m				Report time activity		Drilling																																											
OPERATOR					Tamboran Resources					CONTRACTOR					H & P																																		
REPORT FOR					Maurice Verkerk					REPORT FOR					Joseph Stowell																																		
WELL NAME AND No.					Amungee NW 3H					FIELD					EP 117					LOCATION					Beetaloo Basin					STATE					Northern Territory														
BHA		BIT TYPE		JET SIZE		DEPTHS/CASING				MUD VOLUME (BBL)				CIRCULATION DATA																																			
BIT SIZE (")		NOV TKC66		13 13 13 13 13		22.00 Riser Length m				HOLE VOL		MUD INHOLE		PUMP SIZE				CIRCULATION																															
8.5				13 0 0 0 0						643		576		6 x 11 Inches				PRESS																															
DRILL PIPE		TYPE		LENGTH		Conductor @				Active Pits		Reserve Pits		PUMP MODEL				SURFACE																															
SIZE (")		DP		2.724 m		0 m				539		204		Gardner-Denver				TO BIT																															
DRILL PIPE		TYPE		LENGTH		18.625 Surface @				TOTAL CIRCULATING VOL		BBL / STK		STK / MIN		BOTTOMS UP																																	
SIZE (")		HW		38 m		84 m				1115		0.0933		145		23 min																																	
DRILL COLLAR SIZE (")		6.5		LENGTH		13.375 Intermediate @				STORAGE TANKS		BBL / MIN		GAL / MIN		TOT CIRC TIME																																	
6.5		6.5		5 0 m		280 m				0		13.53		568		82 min																																	
						9.625 Prod. or LNR @										ECD ppg/sg																																	
						605 m										12.96 1.55																																	
MUD PROPERTIES															MUD PROPERTY SPECIFICATIONS																																		
SAMPLE FROM										Pit		Pit		Pit				Mud Wt 0.6-11.4		Yld Pt >14		API Loss <=12																											
MUD TYPE										CL H		CL H		CL H				pH 8.5-9.5		MBT <10		Solids :=3%																											
TIME SAMPLE TAKEN										4:00		10:30		23:00				MUD COMMENTS																															
DRILLING FLUID TEMPERATURE °C (In/Out)										60				66 74				Treating mud with 1 ppb Cleantral HD to tighten API fluid loss. Adding caustic soda to increase pH. Mud check #2 is active pit and contains heavy slug.																															
TOTAL MEASURED DEPTH ( TMD ) Metres										1090		266		2734																																			
INCLINATION (Deg)										78.93		79		92.92																																			
WEIGHT ppg / SG										11.6 1.39		11.9 1.43		11.6+ 1.39																																			
FUNNEL VISCOSITY ( sec / qt ) API										55		56		55																																			
RHEOLOGY 600 : 300 RPM 120 °F / 49 °C										67 47		75 55		67 48				Balanced inventory and made some adjustments. Defoamer added to system. Some mechanical splinter at shakers on bottoms up after the trip. Direct addition of 4.5bbls/hr fresh water to counter evaporation when commenced circulating.																															
RHEOLOGY 200 : 100 RPM 120 °F / 49 °C										40 30		47 36		40 31																																			
RHEOLOGY 6 : 3 RPM 120 °F / 49 °C										17 16		20 19		18 17																																			
PLASTIC VISCOSITY cP @ 120 °F / 49 °C										20		20		19																																			
YIELD POINT ( lb / 100 ft² ) 120 °F / 49 °C										27		35		29																																			
GEL STRENGTH ( lb / 100 ft² ) 10sec/10min/30min										19 32 34		22 30 36		20 32 34				OPERATIONAL COMMENTS																															
LOW SHEAR RATE VISCOSITY (LSRV)										15		18		16																																			
n K ( lb / 100 ft² )										0.51 1.94		0.45 3.38		0.48 2.39																																			
API FILTRATE ( cm³ / 30 min. )										10.2		10.6		10.0																																			
HPHT FILTRATE ( cm³ / 30 min. ) °F / °C																																																	
API : HPHT ( Cake / 32nd in. )										1		1		1				Continue to circulate while maintaining mud weight at 11.6 ppg. Trip out of hole wet for two stands. Circulate to trouble shooting MWD tools, fail. Wash and ream out from 2635 to 2400 m. Flow check, well static. Pump slug 40 bbls of 14.5 ppg mud. Trip out hole to surface, hole slick. No issues POOH. Slip and cut drill line. Make up lateral BHA. RIH. Wash & Rream from 2535 - 2664 mMD. Drill ahead 8-1/2" hole.																															
pH										8.5		8.5		8.5																																			
ALKALINITY MUD ( Pm )										0.06		0.10		0.05																																			
ALKALINITY FILTRATE ( Pf / Mf )										0.02 0.6		0.01 0.6		0.02 0.6																																			
CHLORIDE ( mg / L )										110000		108000		110000																																			
TOTAL HARDNESS AS CALCIUM ( mg / L )																		Water Source Water Bore																															
SULPHITE( mg / L ) / CaCO3 (ppb)										8.0				8.0																																			
KCL / K2CO3/ K2SO4																																																	
K + ( mg / L )										0		0		0																																			
PHPA (ppb)																																																	
METHYLENE BLUE CAPACITY (ppb / % by vol)										12.5 1.4		12.5 1.4		12.5 1.4				MUD ACCOUNTING (BBLs) SUMMARY																															
BENTONITE ADDED (ppb / % by vol)										0.0		0.0		0.0				FLUID BUILT		FLUID LOSSES		Start Vol 1290																											
OTHER PRODUCTS ADDED (ppb / % by vol)																		Drill Water 27		S.C.E. 6		Received 0																											
OTHER LIQ PRODUCTS ADDED (ppb / % by vol)																		Chemical 8		Discharge 0		Backload 0																											
Glycol % v/v										1.5		1.4		1.5				Sump/SeaW 0		Downhole 0		Built 35																											
OIL ( % by Vol )										0.0		0.0		0.0				Other Rec'd 0		Tripping 0		Lost sub 0																											
TOTAL WATER ( % by Vol )										83.0		80.5		81.0				Other Built 0		Other 0		Lost srf 6																											
TOTAL SOLIDS ( % by Vol )										17.0		19.5		19.0				TOTAL MUD ON RIG (bbls) : 1319																															
SAND ( % by Vol )										0.1		0.1		0.1																																			
PRODUCT USAGE										SOLIDS CONTROL EQUIPMENT										Time Breakdown																													
Product		UnitSize		Start		Received		Used		Close		Type		Hrs		OF		UF		Analysis Item		Hrs																											
TrueScav HD		25Kg		55		0		32		23		Centrifuge 1		NOV-Big Bowl						Tripping		13																											
Magnesium Oxide		20Kg Sack		344		0		12		332										Lay down BHA		2																											
Lime 25 Kg		25Kg		24		0		8		16										M/U BHA		3																											
AvaGlyco LC		208Ltr		70		0		4		66										Drilling		6																											
DEFOAM AP 400		25Ltr		43		0		4		39		Shale Shaker #1		4x200		6																																	
Ildcide-G50		20Ltr		63		0		4		59		Shale Shaker #2		2x 200, 2 x 170		6																																	
Caustic Soda		25Kg Drum		37		0		3		34		Shale Shaker #3		4x200		6		SOLIDS ANALYSIS																															
NDFT 325		208Ltr		1		0		1		0								Salt % 5.8		HGS % 5.0		Turbidity (NTU) 0																											
KCL (L)		000Kg Bulk Bag		24		0		-1		25								LGS % 8.2		TSS %		0																											
NewPac LV 25 Kg		25Kg		153		0		-2		155								Corrected Solids % 13.2		Drilled Solids% 7.3		Conduct. (uS/cm)																											
Barite BB 1.5MT - Darwi		1500Kg		1		0		-5		6												DO mg/l 0																											
JK-161 LV		25Kg		77		0		-7		84																																							
CleanTrol HD		22.7Kg		610		0		-12		622																																							
CURRENCY										DAILY COST										CUMULATIVE COSTS																													
AUD										-\$4,664.50										\$284,733.60																													
Newpark Engineer: Nicholas Doust										Jason Cremor										Office: 0488013339										Telephone: 0894108202										Fax: 0894108200									



# DAILY MUD VOLUME ACCOUNT

Date : 10/10/2023  
Report No: 18

Well Name: Amungee NW 3H  
Operator : Tamboran Resources

FLUID BUILT	DAILY	CUMULATIVE	FLUID LOSSES:	DAILY	CUMULATIVE
Premix drill water	27 bbl	12139 bbl	Losses Attributed To Shakers:	6 bbl	658 bbl
Chemical Volume added	8 bbl	348 bbl	Losses To Centrifuge:		122 bbl
Sump recycled water			Losses To Desander/Desilter:		232 bbl
Seawater			Losses To Cutting Dryer/Mud Cleaner:		
Other Received on Rig			Losses To Tripping:		
Other Built			Discharged:		70 bbl
<b>TOTAL BUILT:</b> 35 bbl 12487 bbl			Other Surface Losses:		
			<b>Surface Losses Subtotal:</b>	6 bbl	1081 bbl

WHOLE MUD TRANSFERS ON/OFF	DAILY	CUMULATIVE		DAILY	CUMULATIVE
DAILY BACKLOADED:	0		Seepage Losses: <input type="text"/> BBL/HR For <input type="text"/> hr		
DAILY RECEIVED:	0	770	Lost Circulation:		10337 bbl
Cuttings Volume:			Lost Behind Casing/Left Downhole:		
			Other Sub-Surface Losses:		
			<b>Sub-surface Losses Subtotal:</b>	0 bbl	10337 bbl
			<b>TOTAL DISPOSED:</b>	6 bbl	11418 bbl
			<b>Interval losses ( bbl/m ) :</b>	2	36

TANK STORAGE VOLUMES						
Tank Volumes (bbls)						
Tank Name	Tank Status	Current	Capacity	MW (ppg)	MW (sg)	Comments
Sandtrap	Active	24	77	11.65	1.4	CleanDrill HD
Degasser	Active	19	77	11.65	1.4	CleanDrill HD
Desilter	Active	19	77	11.65	1.4	CleanDrill HD
Backflow	Active	19	77	11.65	1.4	CleanDrill HD
Tank#1	Active	81	100	11.65	1.4	CleanDrill HD
Tank#2	Active	73	100	11.65	1.4	CleanDrill HD
Tank#3	Active	83	100	11.65	1.4	CleanDrill HD
Suction#1	Active	69	100	11.65	1.4	CleanDrill HD
Suction#2	Active	68	100	11.65	1.4	CleanDrill HD
Suction#3	Reserve	66	100	10.6	1.27	Brine/CleanDrill HD Premix
Slug	Reserve	18	100	14.5	1.74	CleanDrill HD
F/L	Active	30	10	11.6	1.39	CleanDrill HD
T/T-1	Active	27	35	11.6	1.39	CleanDrill HD
T/T-2	Active	27	35	11.6	1.39	CleanDrill HD
Frac Tank-1	Reserve	120	450	10.6	1.27	CaCl2 Brine
Frac Tank-2	Reserve		450			
Frac Tank-3	Reserve		450			

VOLUME SUMMARY:	+	-
Starting Volume:	1290	
Current Tank Volume:	539	
Mud Volume In Hole(Incl Ri	576	
Other Volume In Hole:		
Riser Volume:		
Total Hole Volume:	643	
Total Built:	35	
Total Storage:		
Total Reserve:	204	
Total Disposed:		6
Whole Mud Backloaded:		
Whole Mud Received:		
<b>TOTAL MUD AT RIGSITE</b>	<b>1319</b>	<b>bbls</b>

VOLUME BREAKDOWN		
FLUID TYPE VOLUME BREAKDOWN 24hr Comsumption		
BRINE/CLEANDRILL H	66	
CACL2 BRINE	120	
CLEANDRILL HD	557	

# Daily Inventory

**Report No:** 18

**Report Date:** 10/10/2023

**Well:** Amungee NW 3H

Product	Unit Size	Start Amnt	Daily Rec'd	Cumul Rec'd	Daily Used	Cumul Used	Daily B'Load	Cumul B'Load	Final Stock
Alpine Spotting Beads	50lb	252		252					252
Ancor 1 (190 Lt)	190Ltr	24		24					24
AvaGlyco LC	208Ltr	70		87	4	21			66
Barite BB 1.5MT	1500Kg	60		65		4		1	60
Barite BB 1.5MT - Darwin	1500Kg	1		53	-5	47			6
CaCl2 - Prills - bb	1000Kg	142		195		53			142
Caustic Soda	25Kg Drum	37		42	3	8			34
Citric Acid	25Kg Sack	136		138		2			136
CleanTrol HD	22.7Kg	610		829	-12	207			622
DEFOAM AP 400	25Ltr	43		50	4	11			39
Desco CF	25lb			16		16			
Dynafiber AP Fine	11.34Kg	246		246					246
Dynafiber AP Medium	11.34Kg	283		288		5			283
Dynafibre AP Coarse	11.34Kg	48		48					48
Idcide-G50	20Ltr	63		80	4	21			59
JK-161 LV	25Kg	77		85	-7	1			84
KCL (L)	1000Kg Bulk Bag	24		31	-1	6			25
Lime 25 Kg	25Kg	24		38	8	22			16
Magnesium Oxide	20Kg Sack	344		374	12	42			332
NDFT 325	208Ltr	1		7	1	7			
NewPac LV 25 Kg	25Kg	153		180	-2	25			155
NewSeal 25	25Kg	119		119					119
NewZan D	25Kg	250		323		73			250
Omyacarb 2 (bb)	1000Kg	57		75	-12	6			69
Omyacarb 5 (bb)	1000Kg	18		18					18
Radiagreen EME	175Ltr	20		40		12		8	20
Salt 1000 Kg BB	1000Kg	4		4					4
SAPP	25Kg Sack	48		48					48
Soda Ash	25Kg Sack	48		48					48
Sodium Bicarbonate	25Kg Sack	45		64		19			45
Sugar	25Kg Sack	21		37		16			21
TEA (230 KG)	230Kg	21		22		1			21
TrueScav HD	25Kg	55		63	32	40			23
Zinc Oxide 25 Kg	25Kg	21		21					21